

This reflects the current schedule of the Navy's Clean, Inspect and Repair Process for the Red Hill Tanks

What limits # of tank repairs at a time? (See chapter 19 of TIRM Report, esp. section 19-4)

Examples of constraints on the tank repair schedule:

Overall minimum fuel requirements

No more than 1 JP8 or F76 fuel tank can be out at one time

All equipment has to fit through the tunnels and the tank's access door

Why do repairs take 2-3 years to complete? (See TIRM Report Appendix BL- make sure safe to to release)

~115 Days of Project Management- Planning (plans for safety, environmental, engineering, repair etc.)

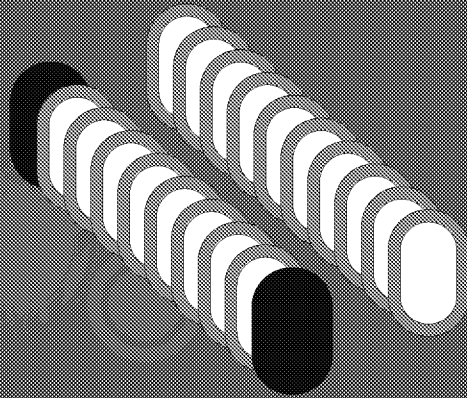
~80 Days of Logistics- materials procurement, mobilization

~360 Days of Inspection, Repair Physical Work and support activities (likely longer)

~40 Days to Fill tank slowly

These are all estimates and usually take longer in reality

# Red Hill Tank Upgrades- Why Twenty Years?



## Key Challenges to Moving Faster

- ▶ Active Military Operations
  - ▶ Fuel type and tank requirements
  - ▶ Facility readiness
- ▶ Unique Infrastructure
  - ▶ Tank geometry and size (20 stories high)
  - ▶ Tunnel and access limitations
- ▶ Upgrade Design
  - ▶ Complexity
  - ▶ Quality control
  - ▶ Performance verification
- ▶ Cost